

Distance Formula | Finding the Missing Coordinates

Find the value of each unknown variable using the given distance and endpoints.

1) $(5, 9), (-7, a)$, distance = 20 units

2) $(-5, q), (-1, -9)$, distance = 4 units

$a =$ _____

$q =$ _____

3)

Preview

5)

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7)

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units.

Find the value of h .

$h =$ _____

- 8) The endpoints of the diagonal of a parallelogram are $(-7, -3)$ and $(u, 5)$ and the length is 8 units. Find the value of u .

$u =$ _____